

FIG. 1  
CONVENTIONAL ART

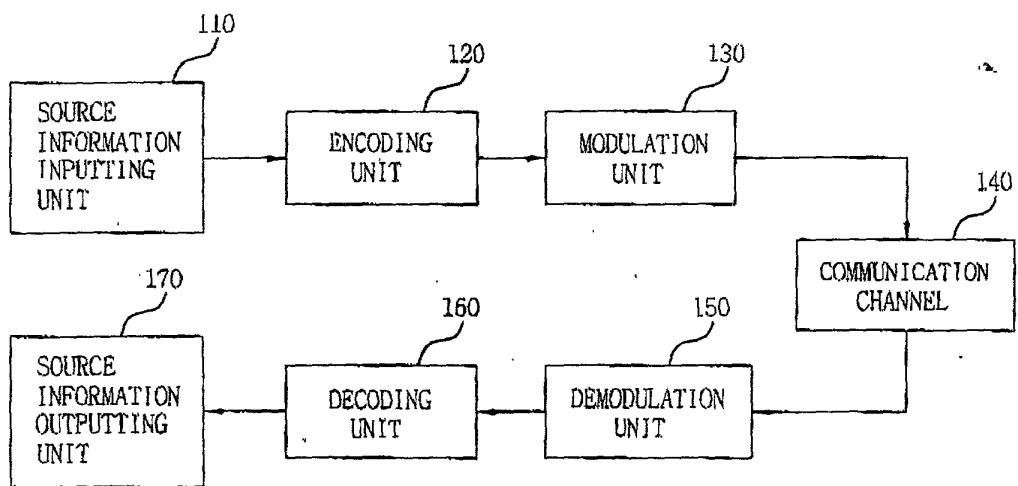


FIG. 2  
CONVENTIONAL ART

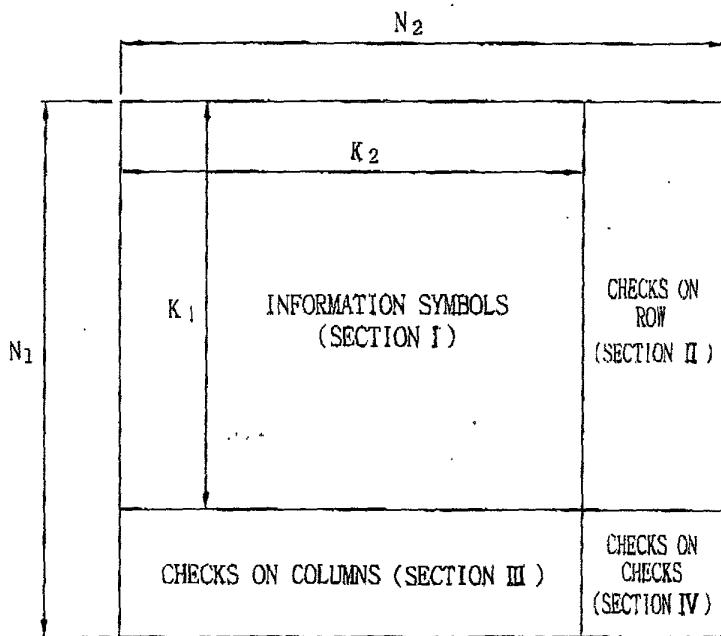


FIG. 3

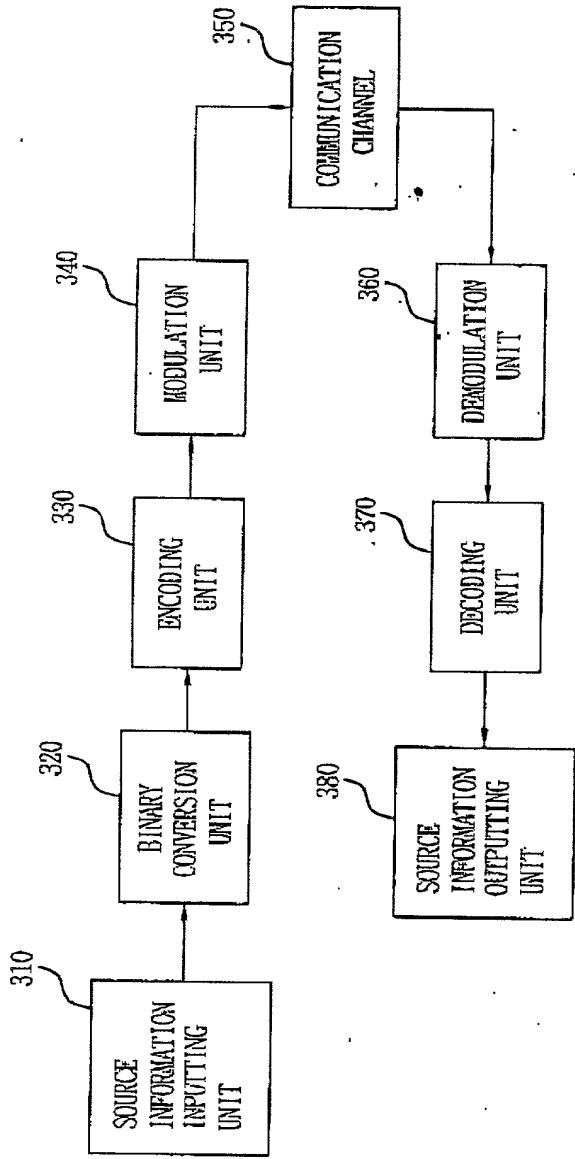


FIG. 4

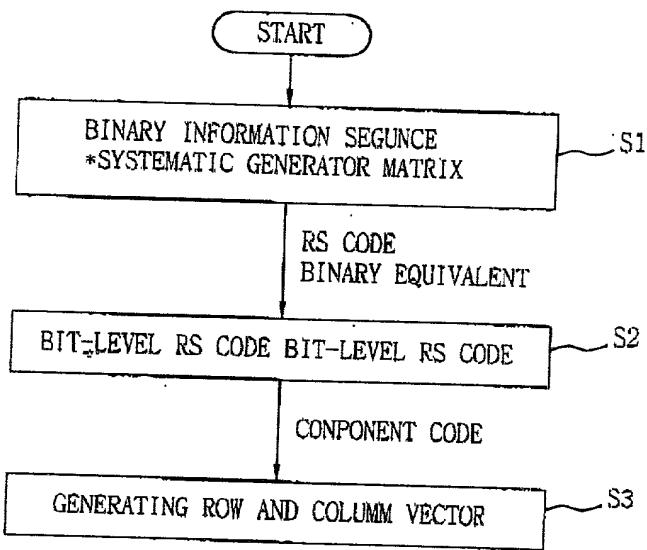


FIG. 5

$$G_B = \left| \begin{array}{cc} \left[ \begin{array}{cc} \alpha^{m-1} & g_{00} \\ \vdots & \\ \alpha^0 & g_{00} \end{array} \right] & \dots \dots \dots \\ \vdots & \dots \dots \dots \\ \left[ \begin{array}{cc} \alpha^{m-1} & g_{0N-1} \\ \vdots & \\ \alpha^0 & g_{0N-1} \end{array} \right] \\ \dots & \dots \dots \\ \dots & \dots \dots \\ \left[ \begin{array}{cc} \alpha^{m-1} & g_{k-1,0} \\ \vdots & \\ \alpha^0 & g_{k-1,0} \end{array} \right] & \dots \dots \dots \\ \left[ \begin{array}{cc} \alpha^{m-1} & g_{k-N-1} \\ \vdots & \\ \alpha^0 & g_{k-N-1} \end{array} \right] \end{array} \right|$$

FIG. 6

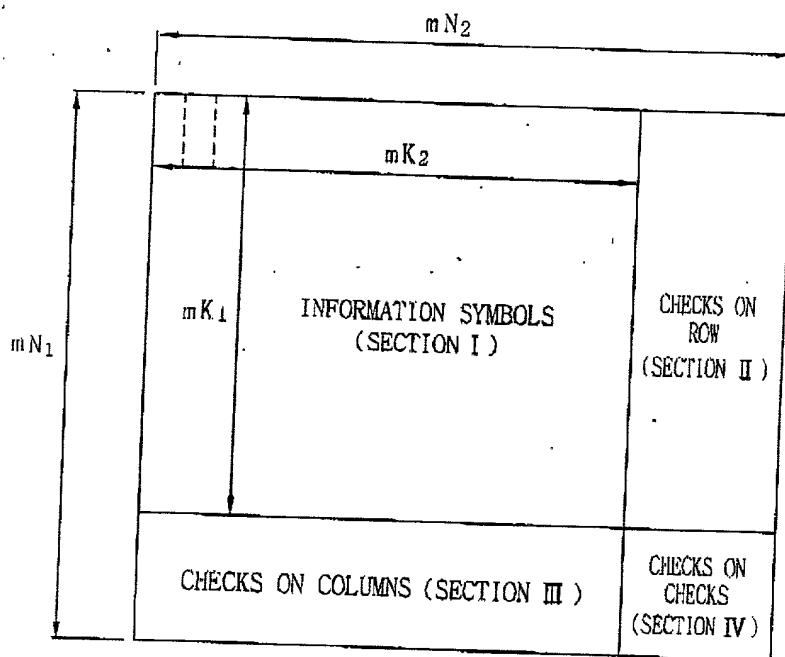


FIG. 7

G FOR(7,5)RS CODE		BINARY EQUIVALENT	G <sup>b</sup> FOR(7,5)RS CODE	
			1000000000	00000101011
1	0 0 0 0 $\alpha^4 \alpha$	0100000000	00000111100	
0	1 0 0 0 $\alpha^5 \alpha$	0010000000	00000110010	
0	0 1 0 0 $\alpha^5 \alpha^3$	0001000000	00000001011	
0	0 0 1 0 1 1	0000100000	00000101100	
0	0 0 0 1 $\alpha^4 \alpha^3$	0000010000	000000111010	
		0000001000	000000001111	
		0000000100	00000101110	
		0000000010	00000111011	
		0000000001	00000100100	
		0000000000	10000010010	
		0000000000	01000001001	
		0000000000	00100101111	
		0000000000	00010111110	
		0000000000	00001110011	

FIG. 8

